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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/006,089	12/06/2001	Gary Cole	WAVE1110-1	8837

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EXAMINER

YIGDALL, MICHAEL J

ART UNIT	PAPER NUMBER
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2122

DATE MAILED: 11/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/006,089	<b>Applicant(s)</b> COLE, GARY	
	<b>Examiner</b> Michael J. Yigdal	<b>Art Unit</b> 2122	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 06 December 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-33 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-33 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 December 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>8/4/03 and 8/25/03</u> . | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. Claims 1-33 are pending and have been examined. The priority date considered for the application is December 6, 2000.

#### ***Drawings***

2. Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g).

3. The drawings are objected to because they are informally drawn by hand. See, for example, Figure 3, which is not suitable for reproduction as per 37 CFR 1.84(l).

4. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Specification***

5. The abstract of the disclosure is objected to because the abstract must not exceed 150 words. Correction is required. See MPEP § 608.01(b).
6. The disclosure is objected to because of the following informalities: The serial number of the U.S. Patent Application referred to in the specification (page 15, paragraph 43) has not been provided. Appropriate correction is required.

***Claim Rejections - 35 USC § 112***

7. The following is a quotation of the second paragraph of 35 U.S.C. 112:
- The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
8. Claim 5 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 5 recites the limitation “said virtual attribute value” in line 1. There is insufficient antecedent basis for this limitation in the claim. Claim 3 recites a virtual attribute, but does not recite a virtual attribute value.

***Claim Rejections - 35 USC § 102***

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

Art Unit: 2122

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

10. Claims 1-33 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Pat. No. 6,189,000 to Gwertzman et al. (hereinafter "Gwertzman").

With respect to claim 1, Gwertzman discloses a system for managing information (see the abstract, which shows a system for managing properties or information) comprising:

a software program stored on a computer-readable medium operable to maintain an identity index (see column 5, lines 52-59, which shows a storage-mechanism interface, and column 7, lines 1-8, which further shows a database or identity index), wherein said identity index comprises:

(a) a virtual identity (see column 6, lines 52-65, which shows a logical name or virtual identity) further comprising:

(i) an information object identifier corresponding to an information object (see column 7, lines 1-8, which shows an actual name or identifier corresponding to an information object); and

(ii) a resource name identifying a resource at which said information object is located, wherein said resource name is associated with said information object identifier (see column 7, lines 1-8, which shows a path name or resource name identifying the location of the information object); and

(b) a resource definition corresponding to said named resource, wherein the resource definition further comprises a set of connection information (see column 8, lines 3-25, which shows a configuration or resource definition comprising connection information).

With respect to claim 2, Gwertzman further discloses the limitation wherein said resource definition further comprises a schema map (see column 7, lines 51-60, which shows a schema map for mapping the schemas into an aggregated schema space).

With respect to claim 3, Gwertzman further discloses the limitation wherein said schema map maps a resource attribute from said resource to a virtual attribute defined by said schema map (see column 9, lines 28-44, which shows mapping a property or attribute from the object to a logical or virtual property or attribute).

With respect to claim 4, Gwertzman further discloses the limitation wherein a virtual attribute value for said virtual attribute is stored in RAM (see column 3, lines 41-53, which shows a memory system with RAM for storing values).

With respect to claim 5, Gwertzman further discloses the limitation wherein said virtual attribute value for said virtual attribute is stored in said identity index (see column 10, lines 49-55, which shows that property or attribute values may be stored in the index).

With respect to claim 6, Gwertzman further discloses the limitation wherein said set of connection information contains a connection parameter selected from one of a hostname, a port, a resource username, a resource password or a resource type (see column 8, lines 42-49, which shows connection parameters including a resource username and password).

With respect to claim 7, Gwertzman further discloses the limitation wherein said virtual identity corresponds to a user (see column 7, lines 14-17, which shows that the logical or virtual identity may correspond to a user).

With respect to claim 8, Gwertzman further discloses the limitation wherein said information object comprises a user account (see column 6, lines 21-27, which shows that the information object may comprise user account information).

With respect to claim 9, Gwertzman further discloses the limitation wherein said information object identifier comprises an account name (see column 7, lines 14-17, which shows that the identifier may comprise a user identification or account name).

With respect to claim 10, Gwertzman further discloses the limitation wherein said resource definition further comprises a schema map (see column 7, lines 51-60, which shows a schema map for mapping the schemas into an aggregated schema space).

With respect to claim 11, Gwertzman further discloses the limitation wherein said schema map maps a resource attribute from said resource to a virtual attribute defined by said schema map (see column 9, lines 28-44, which shows mapping a property or attribute from the object to a logical or virtual property or attribute).

With respect to claim 12, Gwertzman further discloses the limitation wherein a virtual attribute value for said virtual attribute is maintained in RAM (see column 3, lines 41-53, which shows a memory system with RAM for storing values).

With respect to claim 13, Gwertzman further discloses the limitation wherein a virtual attribute value for said virtual attribute is maintained in said identity index (see column 10, lines 49-55, which shows that property or attribute values may be stored in the index).

With respect to claim 14, Gwertzman further discloses the limitation wherein said set of connection information contains a connection parameter selected from one of a hostname, a port, a resource username, a resource password or a resource type (see column 8, lines 42-49, which shows connection parameters including a resource username and password).

With respect to claim 15, Gwertzman further discloses the limitation wherein said resource is one of a Unix system, a Windows NT system, an Oracle database system or an email server (see column 4, lines 2-9, which shows that the resource may be a Windows NT system).

With respect to claim 16, Gwertzman further discloses the limitation wherein said software program is operable to connect to said resource based on said resource definition (see column 6, lines 36-41, which shows that the storage-mechanism interface connects to the resource based on the configuration or resource definition).

With respect to claim 17, Gwertzman further discloses the limitation wherein said resource definition further comprises a schema map (see column 7, lines 51-60, which shows a schema map for mapping the schemas into an aggregated schema space); and

wherein, said software program is operable to create a composite view of said virtual identity based on said schema map (see column 7, lines 60-65, which shows creating an aggregated or composite view).



With respect to claim 18, Gwertzman further discloses the limitation wherein said software program is operable to present a representation of said composite view in a graphical user interface (see column 7, lines 60-65, which shows displaying the aggregated or composite view, i.e. in a graphical user interface).

With respect to claim 19, Gwertzman further discloses the limitation wherein said graphical user interface is customizable (see column 6, lines 21-27, which shows that the graphical user interface is customizable).

With respect to claim 20, the limitations recited in the claim are analogous to the limitations recited in claim 1 (see Gwertzman as applied to claim 1 above).

With respect to claim 21, the limitations recited in the claim are analogous to the limitations recited in claim 2 (see Gwertzman as applied to claim 2 above).

With respect to claim 22, the limitations recited in the claim are analogous to the limitations recited in claim 8 (see Gwertzman as applied to claim 8 above).

With respect to claim 23, the limitations recited in the claim are analogous to the limitations recited in claim 9 (see Gwertzman as applied to claim 9 above).

With respect to claim 24, the limitations recited in the claim are analogous to the limitations recited in claim 10 (see Gwertzman as applied to claim 10 above).

With respect to claim 25, the limitations recited in the claim are analogous to the limitations recited in claim 11 (see Gwertzman as applied to claim 11 above).

With respect to claim 26, Gwertzman discloses a method of managing information (see the abstract, which shows a method for managing properties or information) comprising:

storing a set of information object identifiers corresponding to a set of information objects that define a user (see column 7, lines 1-8, which shows actual names or identifiers corresponding to information objects, and column 7, lines 44-50, which shows that the information objects are user objects);

associating at least one of a set of resource definitions with each information object identifier, wherein each resource definition corresponds to at least one of a set of resources at which the information object corresponding to the associated information object identifier is located, and wherein each resource definition contains a set of connection information for the corresponding resource (see column 8, lines 3-25, which shows a configuration or resource definition associated with each object corresponding to a storage mechanism or resource, further comprising connection information for the resource).

With respect to claim 27, Gwertzman further discloses the limitation wherein each information object identifier from said set of information object identifiers comprises a native key for the corresponding information object (see column 8, lines 20-25, which shows that the identifier corresponding to an information object comprises the native path or key for the property or object).

With respect to claim 28, Gwertzman further discloses the limitation wherein said native key comprises an account name (see column 7, lines 14-17, which shows that the identifier may comprise a user identification or account name).

With respect to claim 29, Gwertzman further discloses the limitation wherein the step of associating at least one of a set of resource definitions with each information object identifier further comprises associating at least one resource name with each information object identifier (see column 7, lines 1-8, which shows a path name or resource name identifying the location of the information object).

With respect to claim 30, Gwertzman further discloses the limitation wherein each information object comprises a user account (see column 6, lines 21-27, which shows that the information object may comprise user account information).

With respect to claim 31, Gwertzman further discloses the limitation wherein each resource definition further comprises a schema map (see column 7, lines 51-60, which shows a schema map for mapping the schemas into an aggregated schema space).

With respect to claim 32, Gwertzman further discloses the limitation wherein said schema map maps a resource attribute to a virtual attribute (see column 9, lines 28-44, which shows mapping a property or attribute from the object to a logical or virtual property or attribute).

With respect to claim 33, Gwertzman further discloses creating a composite view of a user based on said schema map from each resource definition (see column 7, lines 60-65, which shows creating an aggregated or composite view).

### ***Conclusion***

11. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure. U.S. Pat. No. 6,377,950 to Peters et al. discloses integrated directory services. U.S. Pat. No. 6,578,069 to Hopmann et al. discloses a method, data structure and computer program product for identifying a network resource.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael J. Yigdall whose telephone number is (571) 272-3707. The examiner can normally be reached on Monday through Friday from 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3695. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

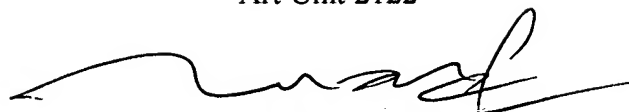
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Art Unit: 2122

MY

Michael J. Yigdall  
Examiner  
Art Unit 2122

mjy



**TUAN DAM**  
**SUPERVISORY PATENT EXAMINER**

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